

wireline computer network, including collecting transaction and billing information associated with providing resources on the wireline computer network to the mobile data-capable wireless communication devices.

120. (New) A method as recited in claim 119, wherein the resources comprise mark-up language documents.

121. (New) A method as recited in claim 120, further comprising converting the resources from a first language used on the wireline network to a second language used on the wireless network.

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122. (New) A method as recited in claim 121, wherein the second language is a distilled form of the first language, and wherein sending the resources to the mobile data-capable wireless communication devices comprises sending the resource to the mobile data-capable wireless communication devices in the second language over the wireless network, such that the resource sent to the mobile data-capable wireless communication devices are compressed forms of the resources as obtained from the remote processing systems on the wireline network.

123. (New) A method as recited in claim 119, wherein the network node comprises a gateway server to couple the wireless network to the wireline data network.

124. (New) A method as recited in claim 119, wherein the network node comprises a proxy server to proxy requests from the mobile data-capable wireless communication devices to remote servers on the wireline network.

125. (New) A method as recited in claim 119, further comprising:

operating the network node to communicate with the mobile data-capable wireless communication devices over the wireless network using a first protocol;
and

operating the network node to communicate over the wireline network using a second protocol different from the first protocol.

126. (New) A processing system comprising:

a processor;
a first communication interface to enable the processing system to communicate with a mobile device over a wireless network;
a second communication interface to enable the processing system to communicate with a remote processing system over a wireline data network; and
a storage facility storing instructions for execution by the processor to cause the processing system to execute a process which includes receiving a request for a resource located on the wireline data network from a mobile device of a plurality of mobile devices which operate on the wireless network;

responding to the request by obtaining the resource over the wireline data network and to send the resource from the network node to the mobile device over the wireless network; and

controlling access by the mobile device to payment-based services on the wireline data network, including collecting transaction and billing information associated with providing resources on the wireline data network to the mobile device.

127. (New) A processing system as recited in claim 126, further comprising:

providing resources located on the wireline data network to each of the plurality of mobile devices over the wireless network in response to requests from the mobile devices; and

controlling access by each of plurality of mobile devices to payment-based services on the wireline data network, including collecting transaction and billing information associated with providing resources on the wireline data network to the mobile devices.

128. (New) A processing system as recited in claim 126, wherein the resource comprises a mark-up language document.

129. (New) A processing system as recited in claim 128, further comprising converting the resource from a first language used on the wireline network to a second language used on the wireless network.

130. (New) A processing system as recited in claim 129, wherein the second language is a distilled form of the first language, and wherein sending the resource to the mobile device comprises sending the resource to the mobile device in the second language over the wireless network, such that the resource sent to the mobile device is a compressed form of the resource as obtained from the remote processing system on the wireline network.

131. (New) A processing system as recited in claim 126, wherein the network node comprises a gateway server to couple the wireless network to the wireline data network.

132. (New) A processing system as recited in claim 126, wherein the network node comprises a proxy server to proxy requests from the mobile devices to remote servers on the wireline data network.

133. (New) A processing system as recited in claim 126, wherein said process further comprises:

operating the network node to communicate with the mobile devices over the wireless network using a first protocol; and
operating the network node to communicate over the wireline data network using a second protocol different from the first protocol.